



Fig. 1.2 The simplified memristive spinal neural circuit. Inputs: Ia, Ib, II afferents from extensor and flexor muscle. Outputs from electronic motoneuron pools: MP-F, MP-E through neurostimulator triggers the segment of the spinal cord. Ia-F, Ib-F, Ia-E, Ib-E - are memristive nuclei that play the role of reciprocal inhibition of opposite motoneuron